

DSC-WX220/B

Compact Point and Shoot Digital Still Camera

Get the crisp, low-light shots you just can't capture with your cell phone. With a 10x optical zoom and pocket-sized precision, this Cyber-shot camera will make your cell phone jealous. You'll also enjoy Full HD video recording and an Exmor R[®] CMOS sensor that immortalizes moments with incredible detail—all in a package that weighs less than most cell phones



Key Features

10x Optical / 20x Clear Image Zoom G Lens

Get close with 10x optical zoom plus 20x Clear Image digital zoom. Most digital zooms use electronic cropping to get closer to the subject, resulting in unsharp images. With Clear Image Zoom the powerful processor compares patterns found in adjacent pixels and creates new pixels to match selected patterns, resulting in more realistic, higher-quality images. Clear Image Zoom doubles optical zoom for closer photos.

18.2MP Exmor R[®] CMOS Sensor for superb low light images

This camera features an 18.2 megapixel Exmor[®] R CMOS image sensor that brings out the full resolving power of the camera's G Lens to deliver extremely fast speed, high resolution, and stunning low-light sensitivity with improved image clarity and drastically reduced grain. In addition, the combined Exmor[®] R CMOS sensor and BIONZ[®] X image processor delivers extremely fast up to 10fps, Anti Motion Blur, Hand-held Twilight and 1080p movie modes.

BIONZ X engine for superb detail and noise reduction

Shoot incredibly smooth video¹ and still images with the new BIONZ[®] X processor and Optical SteadyShot[™] (Intelligent Active mode). When the processor and image stabilization technology work together they deliver sharp image quality with low noise and minimal blur even while the user is strolling and the camera is zoomed in.

Smooth Full HD video recording in 1080/60p

Record crystal clear movies at the highest resolution available with capabilities for 60p in 1080 AVCHD[™] video.¹ This provides stunning, fast cinematic video with less distortion for playback on your HDTV.²

Simple connectivity to smartphones via Wi-Fi[®] w/ NFC³

Connectivity with smartphones for One-touch sharing/One-touch remote has been simplified with Wi-Fi[®] w/NFC³ control. In addition to Wi-Fi support for connecting to smartphones, the camera also supports NFC (near field communication) providing "one touch connection" convenience when transferring images to Android[™] smartphones and tablets. Users need only touch devices to connect; no complex set-up is required. Moreover, when using Smart Remote Control — a feature that allows shutter release to be controlled by a smartphone — connection to the smartphone can be established by simply touching compatible devices.

Capture the decisive moment with up to 10fps

Capture full 18.2megapixel resolution images at up to 10 frames per second, helping to ensure that the decisive moment is captured such as the soccer ball flying into the goal. In addition, a mechanical shutter helps reduce distortion when continuously shooting moving subjects.

Motion Shot Video traces subject movement

A cool effect to show off jumps, tracks, and more. With MotionShot Video, captured subject movement is displayed in a sequence of superimposed images on a single background.*1v

4K quality still image output via HDMI[®]2

Enjoy the beauty of 4K quality still image (4x the resolution of Full HD) via simple HDMI[®] connection to compatible 4K TVs². The camera can also be connected via HDMI to HDTVs for full HD 1080p resolution images.

Sweep Panorama[™] mode (up to 360°)

Sweep Panorama mode takes our Sweep Panorama function to the next level with the addition of motion compensation. Even when subjects are moving in the foreground of your landscape, these cameras can detect faces and moving subjects, intelligently stitching different widths together to minimize distortion. Simply press the shutter button and sweep the camera in the desired direction and the camera continuously shoots at a high speed, then seamlessly stitches the images together with automatic position adjustment to create one stunning panoramic image. Available in wide and up to 360° full circle, the camera can take a variety of panoramic shots.

Picture Effect for more expressive photos

Picture Effect adds a new level of expression to photos, making ordinary landscapes and portraits come to life by heightening mood and emphasizing certain attributes. There are nine different effects such as partial color to make your focal point stand out, or watercolor which looks like a painting.

Specifications

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| Camera Type | Compact zoom digital camera |
| Imaging Sensor | 1/2.3" (7.76mm) Exmor R® CMOS sensor |
| Processor | BIONZ X® |
| Pixel Gross | 18.9 MP |
| Effective Picture Resolution | 18.2 MP |
| Color Filter System | RGB primary color mosaic filters |

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| Media Type | Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO Duo(High Speed), Memory Stick PROHG Duo, Memory Stick XC-HG Duo, Memory Stick Micro, Memory Stick Micro (Mark2), SD / SDHC / SDXC / microSD / microSDHC / microSDXC Memory Card |
| Color Space | sRGB |
| Still Image Max Effective Resolution | Approx. 18.2 Megapixels |
| Still Image Size 16:9 | VGA: 16:9mode:13M(4,896x2,752) / 7.5M(3,648x2,056) / 2.1M(1,920x1,080) |
| Still Image Size 1:1 | 1:1mode: 13M (3,664x3,664) / 7.5M(2,736x2,736) / 3.7M(1,920x1,920) |
| Still Image Size 3:2 | 3:2mode:16M(4,896x3,264) / 8.9M(3,648x2,432) / 4.5M(2,592x1,728) |
| Still Image Size 4:3 | 4:3mode:18M(4,896x3,672) / 10M(3,648x2,736) / 5M(2,592x1,944) |
| Panorama Still Image Size | Sweep Panorama: Wide(7,152x1,080/4,912x1,920), Standard (4,912x1,080/3,424x1,920),360(11,520x1,080) |
| Video Format | AVCHD Ver2.0 / MP4 |
| Video Mode | AVCHD: PS - 1920 x 1080/60p@28Mbps FX - 1920 x 1080/60i@ 24Mbps FH - 1920 x 1080/60i@17Mbps MP4: HD - 1440 x 1080/30fps@12Mbps VGA - 640 x 480/30fps@3Mbps |
| Audio Format | AVCHD: Dolby Digital(AC-3) 2ch(Dolby Digital Stereo Creator) MP4: MPEG-4 AAC-LC 2ch |
| Microphone/Speaker | Stereo / mono |
| Still Image File Format | JPEG (DCF Ver.2.0,Exif Ver.2.3, MPF Baseline compliant) |
| Wind Noise Reduction | Off / On |

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| Lens Type | Sony G |
| Aperture | iAuto (F3.3/F8.0(W), 2 steps with ND Filter) / Program Auto (F3.3/F8.0(W), 2 steps with ND Filter) |
| Aperture (Max.) | F3.3(W)-5.9(T) |
| Optical Zoom | 10x (Optical Zoom during movie recording) |
| Digital Zoom | Still Image:18M Approx.40x / 10M Approx.53x / 5M Approx.75x / VGA Approx.153x / 13M (16:9) Approx.40x / 2M (16:9) Approx.102x Movie: Approx. 40 |
| Focal Length (35mm equivalent) | (Still Image 3:2) f=26-260mm, (Still Image 4:3) f=25-250mm, (Still Image 16:9) f=27.5-275mm, (Still Image 1:1) f=29.5-295mm (Movie 16:9) f=27.5-275mm (SteadyShot Standard), f=27.5-385mm (SteadyShot Active), f=30-390mm (SteadyShot Intelligent Active) (Movie 4:3) f=33.5-335mm (SteadyShot Standard), f=33.5-469mm (SteadyShot Active), f=36.5-480mm (SteadyShot Intelligent Active) |
| Lens Groups-Elements | 9 elements in 7 groups(including 4 aspheric elements) |

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| Minimum Focus Distance | iAuto:AF(W:Approx.5cm(0.16') to Infinity, T:Approx.150cm(4.92') to Infinity) / Program Auto:AF(W:Approx.5cm(0.16') to Infinity, T:Approx.150cm(4.92') to Infinity) |
| Clear Image Zoom | Still Image:18M Approx.20x / 10M Approx.26x / 5M Approx.37x / VGA Approx.153x / 13M (16:9) Approx.20x / 2M (16:9) Approx.51x, Movie: Approx.20x |
| Macro Mode | Yes (Auto) |
| Steady Shot Mode:Active | Yes |

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| LCD Type | 3.0" ClearPhoto™ LCD (460K dots) |
| Brightness Control | Manual (5 steps) |
| Histogram | Yes (On/Off) |
| Grid Display | Yes |

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| AF Modes | Single-shot AF |
| Focus Area | Wide / Center |
| AF Illuminator | Auto / Off |

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| Metering Modes | Multi Pattern, Center Weighted, Spot |
| Metering Sensitivity | EV 2 to 16 (at ISO100 equivalent) |
| Exposure Compensation | Plus / Minus 2.0EV, 1 / 3EV step |
| Exposure Settings | Program Auto, Movie Mode(Intelligent Auto/Scene Selection), Panorama, Scene Selection, Intelligent Auto, Superior Auto |
| Scene Mode(s) | High Sensitivity, Night Scene, Handheld Twilight, Night Portrait, Landscape, Portrait, Soft Skin, Anti Motion, Blur, Backlight Correction HDR, Beach, Snow, Fireworks, Gourmet, Pet Mode |
| ISO | (Still Image) Auto (ISO100-1600),100 / 200 / 400 / 800/1600 / 3200, Multi Frame NR:Auto (ISO100-1600),100 / 200 / 400 / 800 / 1600 / 3200 / 6400*3 / 12800 *3 |
| Noise Reduction | Long exposure NR Multi Frame NR:Auto, ISO100-12800 |
| White Balance Mode | Auto / Daylight / Cloudy / Fluor.: Cool White / Fluor.: Day White / Fluor.: Daylight / Incandescent / Flash / Custom |
| ISO Sensitivity (Movie) | (Movie) Auto: (ISO100 Level-ISO1000 Level) / High Sensitivity: (ISO100 Level - ISO2000 Level) |

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| Drive Mode | Single, Continuous shooting, Self-timer, Self-timer(cont.), Self-portrait |
| Self-timer | Off / 10sec. / 2sec. / portrait1 / portrait2 |
| Shutter Speeds | iAuto (4" - 1/1600) / Program Auto (1" - 1/1600) |
| Burst Mode | Approx.10 fps(for up to 10 shots) |

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| Flash Modes | Auto / Flash On / Slow Synchro / Flash Off / Advanced Flash |
| Flash Coverage | ISO Auto: Approx.0.2m to 3.7m(7 7/8 inches to 12feet 1 3/4 inches)(W) / Approx.1.5m to 2.2 m(4feet 11 1/8 inches to 7feet 2 5/8 inches)(T), ISO3200: up to Approx.5.9m(19feet 4 3/8 inches)(W) / Approx.3.4m(11feet 1 7/8 inches)(T) |

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| Red-Eye Reduction | On / Off |
| Erase/Protect | Erase: Single / Select / Date / Folder Protect: Single / Select / Date |

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| Anti Motion Blur | Yes |
| Sweep Panorama | Intelligent Sweep Panorama (360) |
| Face Detection | Yes (eight faces max) |
| Smile Shutter™ technology | Yes |
| Image Stabilization | Optical SteadyShot™ Image Stabilization with Intelligent Active mode |

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| Intelligent Auto | Yes |
| Shooting Tips | Yes |
| Wi-Fi | Yes |
| Background Defocus | Yes |
| Superior Auto | Yes |
| Tracking Focus | Off / Auto |
| Blink Detection | Yes |

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| Memory Card Slot | MS Duo and SD/SDHC compatible |
| NFC | Yes (NFC forum Type 3 Tag compatible) |
| Wi-Fi | Yes (IEEE 802.11b/g/n(2.4GHz band)) |
| HD Output | Multi / Micro USB Terminal Hi-Speed USB (USB 2.0) Micro HDMI |
| USB Port(s) | Multi (AV/USB), Hi-Speed USB (USB2.0) |
| Tripod Mount | Yes |

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| Dimensions (Approx.) | W x H x D: 3 3/4" x 2 1/8" x 7/8" (92.3 x 52.4 x 21.6mm) |
| Weight (Approx.) | Approx. 3.7oz (106g)(Body Only) |
| Weight(Approx) (Main unit only) | 3.7 oz. (106g) |

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| Battery Type | LITHIUM ION NP-BN 4.2V |
| Battery Capacity | Typical: 2.3Wh (630mAh) Minimum: 2.2Wh (600mAh) |
| Supplied Battery Charger | NP-BN (supplied) / NP-BN1 (not supplied) |
| Power Consumption (in Operation) | Approx.1.2W |
| Power Requirements | AC 100V to 240V, 50/60 Hz, 70mA |
| Power Consumption (in View Finder Operation) | Still images: Approx. 210 / Approx. 105min Movie: Actual Shooting - approx. 35min(For (1440×1080 12M) size movies, continuous shooting is possible for approximately 15 minutes (limited by 2 GB file size). Continuous Shooting - approx. 50min(For (1440×1080 12M) size movies, continuous shooting is possible for approximately 15 minutes (limited by 2 GB file size).) |

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| Supplied Accessories | Rechargeable Battery (NP-BN) AC Adaptor (AC-UB10C / UB10D) Micro USB cable Wrist Strap Instruction Manual |
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1. Records in 29 minute segments

2. Requires compatible 4K/HDTV and HDMI® cable sold separately

3. Requires NFC-compatible mobile device. Check device's user manual for compatibility.

11. Requires a valid Sony Entertainment Network account. Some apps require a fee.

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